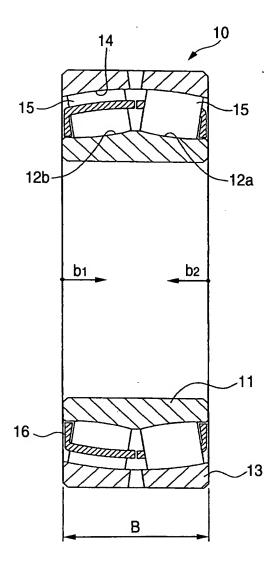


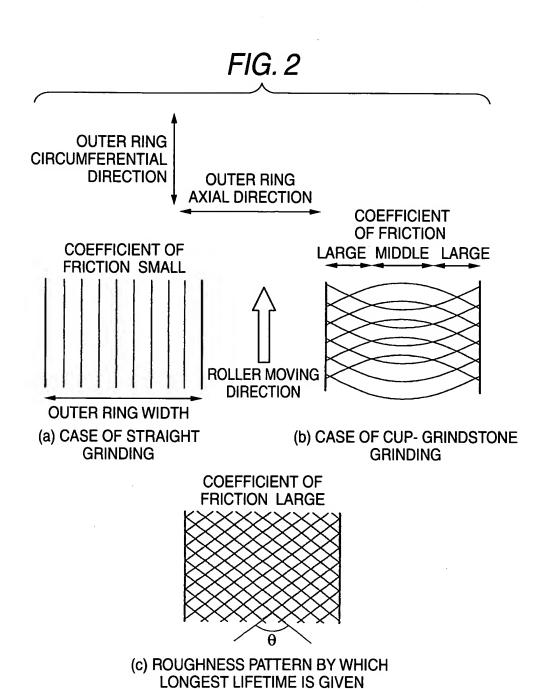
FIG. 1





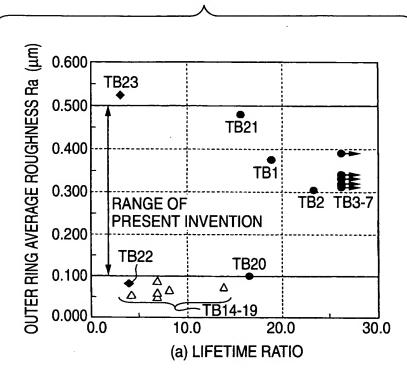
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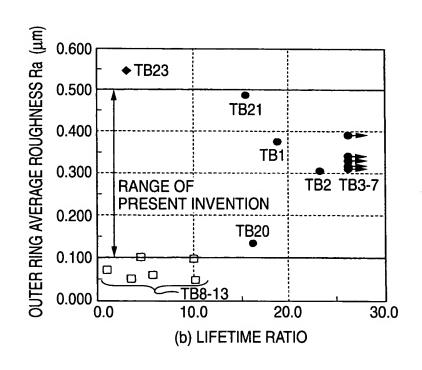
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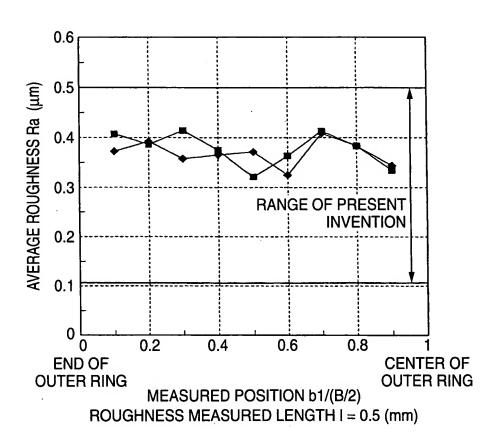


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FIG. 4



→: ROUGHNESS IN OUTER RING AXIAL DIRECTION

-- : ROUGHNESS IN OUTER RING CIRCUMFERENTIAL DIRECTION

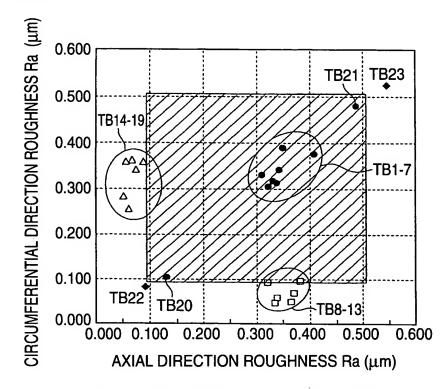


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FIG. 5



ROUGHNESS MEASURING CONDITIONS

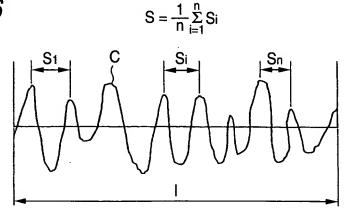
MEASURED LENGTH I = 0.5 mm

MEASURED LOCATIONS

OUTER RING AXIAL DIRECTION: b1 / (B/2) = 0.7

OUTER RING CIRCUMFERENTIAL DIRECTION: b1 / (B/2) = 0.4

FIG. 6





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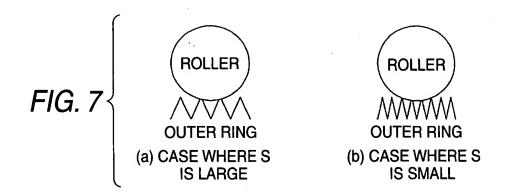
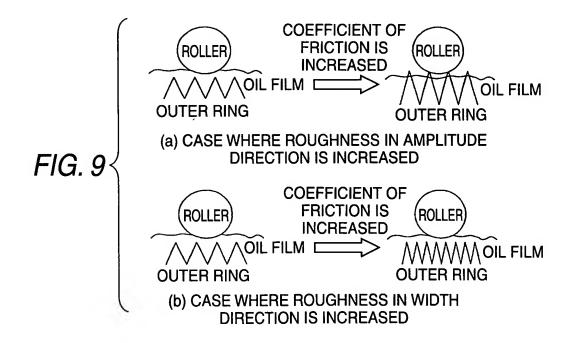


FIG. 8

2
1.5
0.5
0 S = 23.5 (μm)
Ra = 0.354 (μm)
Ra = 0.352 (μm)



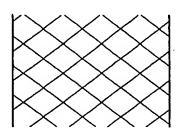


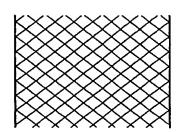
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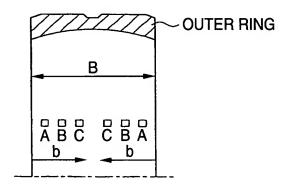
FIG. 10





(a) S LARGE (b) S SMALL (COEFFICIENT OF FRICTION LARGE)

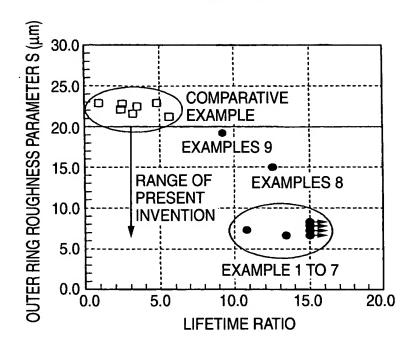
FIG. 11





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FIG. 12

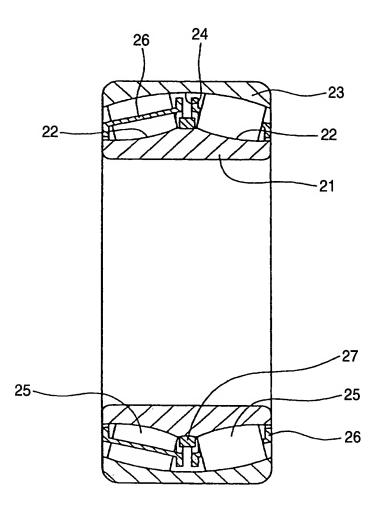


•: EMBODIMENT

☐: COMPARATIVE EXAMPLE



FIG. 13





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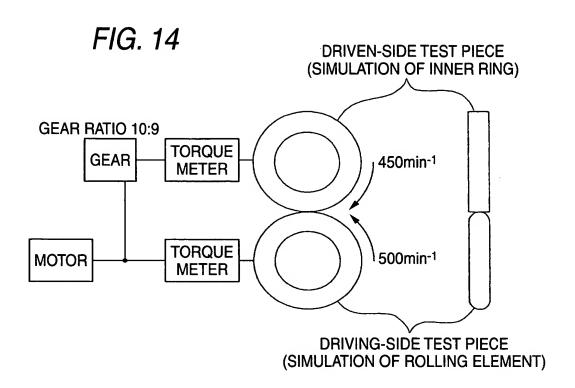
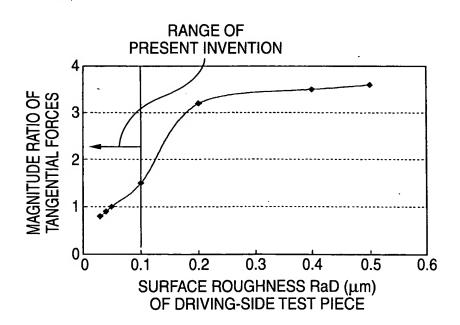


FIG. 15





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FIG. 16

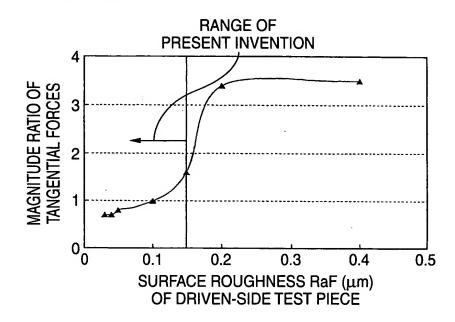


FIG. 17

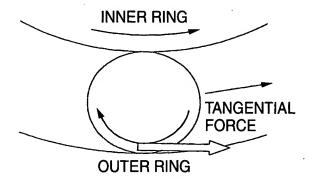




FIG. 18

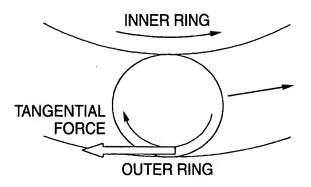


FIG. 19

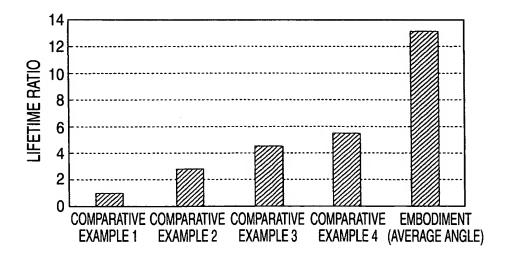
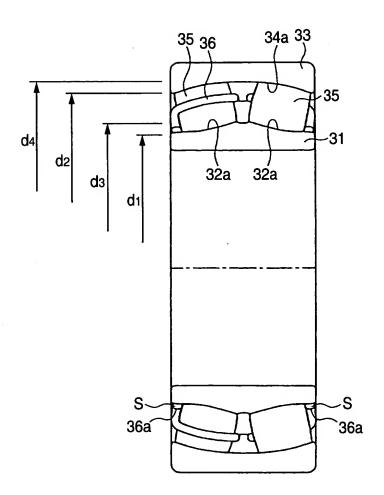




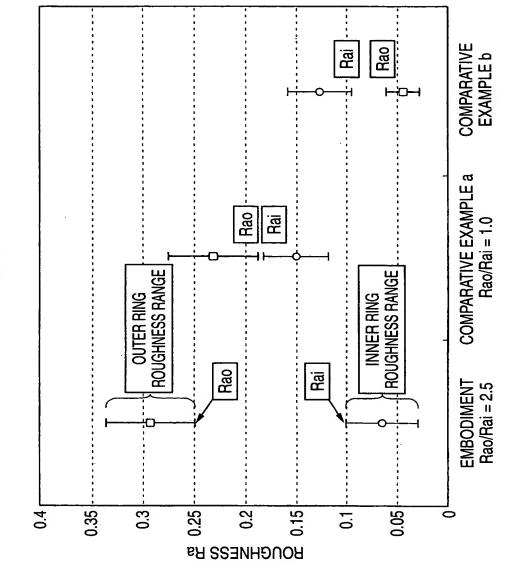
FIG. 20





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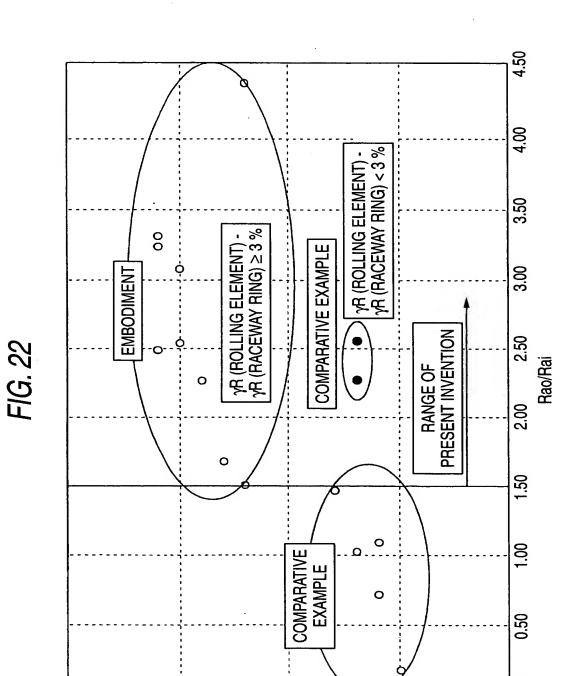




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